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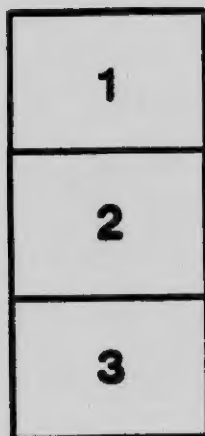
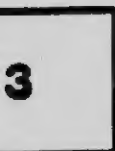
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Ontario
Agricultural College
Guelph, Canada

Agriculture

Home Economics

Nature Study

Manual Training



College

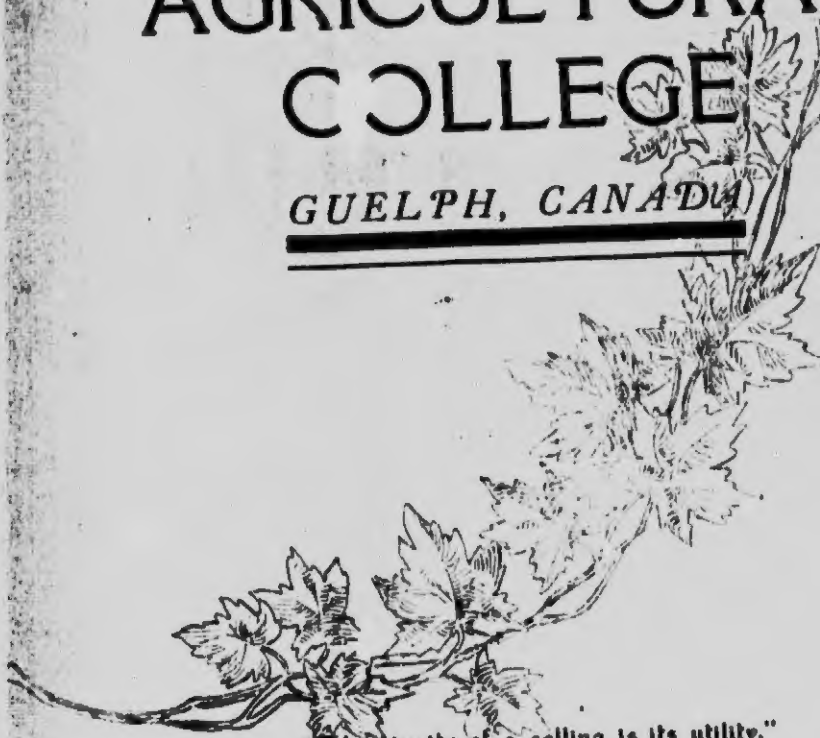
a

Training

*ILLUSTRATED
COMPENDIUM OF THE*

ONTARIO
AGRICULTURAL
COLLEGE

GUELPH, CANADA



"The dignity of a calling is its utility."

265
891

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utility."

M



Hon. John D.
1890-1900

990628

Ministers of Agriculture
for Ontario

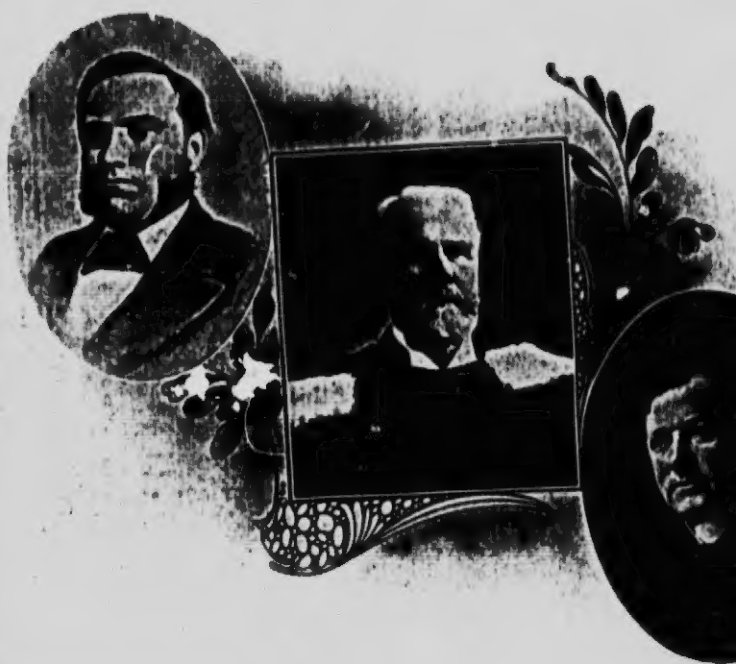


Hon. Charles Drury
1888-1890.

Hon. John Dryden
1890-1905.

Hon. Nelson Monteith
1905.

Presidents of the College



William Johnston, B.A.
1876-1879

James Mills, M.A., LL.D.
1879-1904

Geo. C. Creed

ge



D.

Geo. C. Creelman, B.S.A., M.S.
1904



THE residence is built of grey limestone. The design was followed by the appearance, of a central portion.

this, wings, three stories, and other extensions. Heights, and faces the country can be viewed from the room and dining-room. A portion is reserved as a common room.

At the base of the building is an Office leading from the entrance hall. The reception, the Post Office, and the students' room are housed two in a room large enough to accommodate a room are at the convenience of the hours.

The whole of the building is radiators being placed in the walls. A bathroom containing a lavatory fitted up at the disposal of the students. The plant are commodious for catering to the residence provides a comfortable walls.



The Residence

THE residence is recognized as the main building. It is built of grey limestone, and although no particular style of architecture was followed in its construction, it presents a venerable appearance, expressive of power and repose. It comprises a central portion five stories high, known as the tower; from this, three stories high, extend on either side, and behind these are extensions. It is situated on the highest point of College Hill and faces the south-west. From the tower a great sweep of country can be viewed in every direction. The building provides bed- and dining-room accommodation for 178 students, and a small portion reserved as a contingency hospital.

The base of the tower is the main entrance, with the President's office on the right, and the Reception Room from the left of the main hall. The remainder of the front basement is used for office purposes, the Post Office, the Bursar's Office, and Review Office being found here. The students' dormitories occupy the two upper floors. Here the students are housed two in a room, except in a few cases where the rooms are large enough to accommodate three. A smoking room and a magazine are provided at the convenience of those who care to use them between study hours.

The whole of the building is well ventilated and is heated by steam, the radiators being placed along the halls and corridors, and in every room. There are also rooms containing hot and cold water baths, shower baths, etc., and all are fitted up after the most modern and approved methods, and are at the disposal of the students at all hours. The kitchen and cold storage are commodious, and are provided with all the equipment necessary to meet the requirements of the residents. Taken altogether, the building provides a clean, comfortable, healthful home for all within its walls.

The Campus

WITH a gentle slope to the west, the pleasure extends in front of the residence, and is flanked on the left by the Massey Hall and Library, the Horticulture Building, and the Biology and Physics Laboratories; and on the right the Macdonald Hall and Macdonald Institute reveal their ruddy faces above the tops and through the vistas of the intervening trees.

Whether the season be Spring, Summer, Autumn, or Winter, the aspect presented is one of repose. Even when the playing-ground is animated with teams of contestants battling for the mastery in deeds of strength, skill, speed, and endurance, with a large and excited crowd of spectators gathered around them, vociferating their applause or disapproval, yet the dominant feature of the scene, as a whole, is repose—that repose in action which John Ruskin has taught us to look for—the repose that is the resultant felicity of the fulfilment of function. Nowhere in the broad Dominion is there a campus that so fulfils its function as a place for the development of physical strength as a resort, rest-yielding and refreshing, for the mentally or physically. Standing with our backs to the main entrance of the residence, we ground the flower beds which in summer and early fall form a fitting the hill. Beyond them is the emerald green sward stretching toward the trees which, viewed from the distance afford a noble sweep of line to the playing-ground. These trees are scattered around, singly and in profusion; graceful birches, stately maples, majestic elms and basses and firs, trim-looking spruces, balsams and cedars, with here and there flowering shrubs, all of them the summer home for murmuring winged season are to be found flocks of warblers, goldfinches, sparrows, kinglets, and specimens of all the feathered tribe that make Ontario an abiding home.





sical strength and skill, and also
or physically jaded and weary.
residence, we notice in the fore-
form a fitting crown of glory for
atching towards those clumps of
weep of line to the boundaries of
singly and in clumps, in artistic
ms and basswoods, rugged pines
with here and there a bunch of
armuring wings; for here in their
s, sparrows of all kinds, robins,
at make Ontario their casual or





1. Department of
Agriculture.

- a. Four Years' Course, leading to Degree of B.S.A.
- b. Two Years' Course,—Associate Diploma.
- c. Factory Dairyman's Course, 12 weeks.
- d. Poultry Course, 4 weeks.
- e. Stock and Seed Judging Course, 2 weeks.





The College Offers the Following Courses

2. Department of Home Economics.

a. Normal Course in Domestic Science, 2 years.

b. Housekeeper Course, 2 years.

c. Home-Maker Course, 1 year.

d. Short Course in Domestic Science, 3 months.

3. Department of Manual Training.

Teachers' Normal Course, 1 year.

4. Department of Nature Study.

a. Teachers' Normal Course, 1 year.

b. Short Courses for Teachers, 3 months.

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of B.S.A.

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1 Judging
eks.



"What the Rocks Reveal"

71 acres
of College
grounds
are under
the con-
trol of
this De-
partment



Horticulture

Requirements for Admission

Candidates are admitted on the 17th of September, and for at least two years.

1.—All candidates for admission—

- (1) Must be sixteen years of age.
- (2) Must produce satisfactory evidence as to moral character, health and strength, and intention to follow as an occupation Agriculture, Dairying, or Horticulture, or some line of professional work connected with one or other of these.



Tree Planting



ember, and should remain

moral character, physical
low as an occupation either
r some line of practical or
other of these pursuits.



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**Requirements
for
Admission
—continued**

- (3) Must produce certificate on a farm, and must have operations, such as harrowing, drilling, knowledge will be required subsequent date.



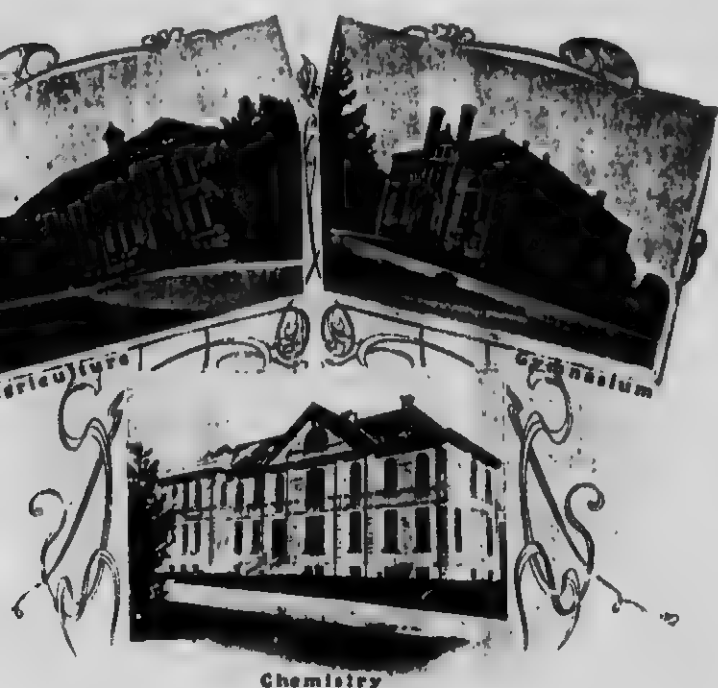
- (4) Must pay the tuition deposits on account.

- 2.—(a) Any candidate intending to obtain a degree must obtain a certificate in English, and 50

- (b) Candidates must be As the the reg di sa



produce certificates of having spent at least one year at work on a farm, and must have a practical knowledge of ordinary farm operations, such as harnessing and driving horses, ploughing, sowing, drilling, etc. When it is thought necessary, this knowledge will be tested by an examination at entrance or any subsequent date.



pay the tuition fees and laboratory charges and make the required deposits on account of board and contingencies in advance.

Candidate intending to take the full course and write for the B.S.A. degree must obtain on Second Year examinations 60 per cent. in English, and 50 per cent. of the total.

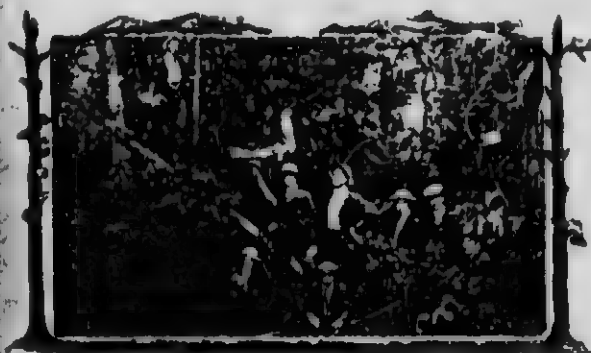
(b) Candidates who wish to obtain an Associate Diploma, as well as those who wish to enter the regular course, but have no diploma in view, must stand a satisfactory examination on—

- (1) Reading, Writing, Dictation;
- (2) English Grammar;
- (3) Arithmetic;
- (4) The outlines of General Geography and the Geography of Canada.





The Birches



Plant Gathering

Tuition.

The tuition fee is \$16 a year for residents, \$40 a year for non-residents, one-half time of registration and the remainder on the 3rd of January.

The laboratory fee for first students is \$1.50 a year, and third students, \$5.00 a year, PAID IN ADVANCE. and other materials used by students in practical work in the laboratories and tural and Dairy Departments, are rarely exceeding \$4.00 or \$5.00 a year. to work in a laboratory a student must with a laboratory ticket issued by the ticket must be presented to the head of before a place can be assigned to him in

By the te is meant al whose parents are ratepayers residents of t Ontario. All residents of pay the non-long as they the College.

Scholarships

Four Scholarships of \$20 each will be awarded on first year work, theory and practice, and will be paid as follows : \$10 on the 13th of September, and \$10 on the 3rd of January of the following academic year, on condition that the winner take the second year work as required for an Associate Diploma.

The awards will be made on the following groups of subjects :

English and Mathematics

Physical Science

Biological Science and Agriculture

5 a year for residents, and
ts, one-half payable at the
the remaining half payable

for first and second year
and third and fourth year
ID IN ADVANCE. Chemicals
by students of all years at
ratories and in the Horticul-
ments, are charged at cost,
5.00 a year. Before starting
udent must provide himself
issued by the Bursar. This
the head of the Department
ned to him in the laboratory.

By the term *non-residents*
meant all except those
ose parents or guardians
e ratepayers or *bona fide*
idents of the Province of
ntario. All students not
idents of Ontario must
y the non-resident fee, so
ag as they are students of
e College.



The Old Mill



Winners W

WE think it is
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nothing more. The
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work, the debates in
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brighten the mi
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work and better ch

Terms

The Scholastic ye
terms:

FALL
17th
18th

The terms are ar
to enable students to
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Students wishing
main at the College
outside departments
the session till the 1
vided they work re
full time without tro
house will be kept
dents.

Third and Fourth
main until May 23rd



Advantages of the Course

Winners W. I. A. U. 1906.

think it is clear that our course of study and apprenticeship is specially adapted to the wants of young men who intend to be farmers. It includes what they require and more. The lectures in the class-room, the work in the outside and the laboratories of the institution, the experimental debates in the College Literary Society, the surroundings, the life of our college life,—all tend to awaken, stimulate, develop, and strengthen the minds of our students; to teach them the use of tools and hands, give them a taste for reading, increase their knowledge of farming, and make them more intelligent and better citizens.

Scholastic year consists of one session, which is divided into two

FALL TERM

17th of September to
22nd of December

WINTER TERM

1st of January
to 15th of April

Terms are arranged in this way
to enable students to get home for seed-
ing, and harvest.

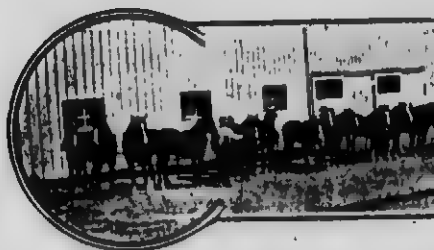
Students wishing to do so may re-
turn to the College and work in the
departments from the close of
the session till the 15th of August, pro-
vided they work regularly and put in
the time without trouble. The boarding
houses will be kept open for such stu-
dents.

First and Fourth Year students re-
turn till May 23rd.



100 yds. in 10.

Eleven teams
of Agricultural
Horses are
required to do the
work of the
various
departments



Ready for Work.

Course of Instruction for an Associate

THIS Course is
period
intended

preparation for work on a
farm. It emphasizes
study and a close
ship.

1. Course of Study

FIRST YEAR.

English.
Mathematics.
Manual Training.
Book-keeping.
Physics.
Chemistry.
Geology.
Botany.



Planting Potatoes

SECOND YEAR.

English.
Economics.
Manual Training.
Physics.
Chemistry.
Botany.
Entomology.
Bacteriology.
Veterinary Science
and Practice.

Field Husbandry.
Animal
Husbandry.
Dairying.
Poultry.
Horticulture.
Forestry.
Engine.



An Excursion



dy for Work

an Associate Diploma

THIS Course extends over a period of two years and is intended specially as a preparation for work and life on the farm. It embraces a course of study and a course of apprenticeship.

Course of Study.

FIRST YEAR.

English.	Zoology.
Mathematics.	Veterinary Science
Manual Training.	Field Husbandry.
Book-keeping.	Animal Husbandry
Physics.	Horticulture.
Chemistry.	Dairying.
Geology.	Poultry.
Botany.	Bee-keeping.



An Excursion Day



Students Building Poultry

SECOND year departments mornings through the afternoon laboratory work.



"By The

First year students afternoons, and a session—from the 1

The work is di

- 1—The Farm Department.
- 2—The Live Stock Department.
- 3—The Dairy Department.
- 4—The Poultry Department.
- 5—The Horticultural Department.
- 6—The Mechanical Department.
- 7—The Experimental Department.



ing Poultry Houses

Course of Apprenticeship

COND year students are required to work in the outside departments on alternate afternoons and as needed in the mornings throughout the Fall Term. They have to spend the afternoons of the Winter Term at class-room and dry work.



"By Their Fleece Ye Shall Know Them"

rst year students are required to work outside on alternate ons, and as needed in the mornings, throughout the —from the 17th of September to the 15th of April.

he work is divided into seven departments :

- Department.
- Stock Department.
- Department.
- y Department.
- cultural Department.
- nical Department.
- imental Department.



"A Good One"

**Course of
Apprenticeship
—Continued**

The students are sent in rotation to these departments, and are required to take their turn at a variety of jobs, clean and dirty, easy and difficult—whatever is to be done—without favor or distinction.

A limited amount of time devoted to practical operations on the various departments enumerated above is, we think, well spent, especially for those who have not had much practice in farm work. Farmers' sons are more interested in the class-room work; but even they find the practice outside quite a little in some respects helpful. It assists them in paying for their board, prevents them from losing their taste for farm work, gives them some practice in the use of tools, and affords them a good opportunity of becoming practically acquainted with a variety of the most valuable breeds of cattle, sheep, pigs, and poultry.



**Students in Forest Nursery
Growing Pine Trees
from Seed**



Loading Turnips



rest Nursery
ne Trees
Seed

tations on the farm and in the
ll spent, especially by those
' sons are more benefitted by
tside quite agreeable, and in
r board, prevents them from
in the use of carpenter's tools,
ically acquainted with a large
, and poultry, in addition to
the knowledge
which they gain
respecting the
handling of milk
and the making of
butter.

The labor above
referred to is paid
for at rates varying
from four to nine
cents an hour, and
the amounts so
allowed are credi-
ted on board bills
or paid sh,
accordin, he
wish of the gua-
lian
in each case; but
students on in-
struction are not
paid for their work.



"Hockey"
Marshall Harris
Trophy



Payments at time of Entrance

The net cost for board and
years of the Associate Course,
\$70 a year for a resident who w
fully in the outside departme
year for a non-resident who
efficient.

Estimate of Expenses

Board, Etc.

1.—*Board*, \$3.00 per week. Sheets, pillow slips and towels washed free.

Students are provided with ordinary furniture, beds, bedding, etc.; but they are required to provide their own toilet soap, pillows, pillow covers, towels, sheets and laundry bags. Each student should bring with him one pillow, two pillow covers, four sheets, four towels, and a bag resembling a pillow cover, but of coarser and stronger material, in which to convey clothes to and from the laundry.

2.—*Payments* for board and washing must be made from time to time throughout each term, \$12.00 at the beginning of each period of four weeks, *strictly in advance*.

Anyone who wishes to do so, may pay in advance for a longer period than four weeks.

At the end of each period of four weeks, the amount which each student is allowed for work in the outside departments during the previous four weeks will be paid to him in cash, or credited on account of the next four weeks' bill for board and washing, whichever his guardian prefers. (See course of apprenticeship.)

3.—*Contingencies*.—Every Student, old or new, must also, at the time of entrance, make a cash deposit of \$5.00 with the Secretary of the College, to cover fines, breakages, etc.; and as soon as any student's deposit is exhausted he will be required forthwith to make an additional deposit of the same amount. *This deposit is not refunded till the time of final settlement, when the student is leaving the College.*



time of

or board and tuition, during the two
iate Course, need not exceed \$60 to
sident who works regularly and faith-
side departments, and \$80 to \$100 a
esident who is equally faithful and



The '06 Tug-of-War
Trophy

Prizes

Three prizes, of the value of \$10.00 each, in books, to be selected by the winner, will be given as follows:

One to the second-year student who shall compose and read before a committee the best essay on a subject assigned for the year.

(The subject for 1906-1907 is: "Ontario as a place of residence and sphere of livelihood.")

One to the student who shall stand 1st in general proficiency on—theory and practice.

One to the student who shall rank highest in general proficiency first class honors in his major subjects in the Fourth Year.

THE '05 GOLD MEDAL. FOR THE SENIOR YEAR

Established in 1906 by the graduating class of 1905. A gold medal of the value of which is \$25, to be awarded to the student of the senior



On a Nature Study Trip

his classmates, approved by the staff, is declared to be the best student of his year.

The class '05, believing that encouragement should be given to the student of the senior year who, during his course, has done the most for his fellow student, and himself.



A Bird's Eye View of the College Grounds



proficiency on 1st and 2nd-year work
 general proficiency and shall obtain
 Year.

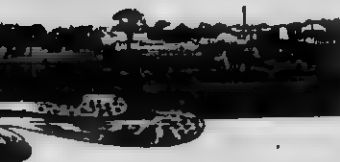
SENIOR YEAR.

1905. A gold medal, the intrinsic
 of the senior year, who, by vote of



Y Trip

to be the best "all round" man in
 should be given for development in all
 scholarship, offer this prize to the
 s done the most for the College, for



College Farm



At the "Short Course"

All
Students are
required
to attend



2.—Complete the work of
two years' course of study.

3.—Pass satisfactorily a
examinations, both on the
tained in the curriculum and
of apprenticeship.

4.—Compose an acceptance
some subject in the course
connected therewith.



urac"

Diplomas

Diplomas, admitting to the status of "Associate of the Ontario Agricultural College," are granted to all students who comply with the following conditions:

1.—Are in attendance at lectures for two years, unless in special cases where the candidate's scholarship and practical training warrants a slight departure from this rule.



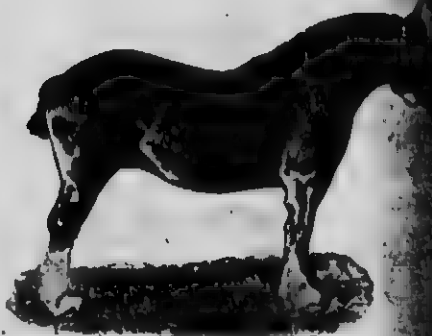
Morning
Chapel,
Sunday Service,
and Weekly
Physical
Instruction

Approach

the work of the regular
of study.

isfactorily all prescribed
both on the subjects con-
riculum and on the work
D.

an acceptable thesis in
the course of study or
with.



"Her Pretty Sel"
Bought at Public Auction for \$5.

For the B.S.A. Degree

The College is affiliated with the University of Toronto for advanced examinations and degrees.

LENGTH OF COURSE

The course for the degree of Bachelor of the Science of Agriculture (B. S. A.) extends over a period of four years.

Hydrang



Farmers, 16 to 60 years of age, taking Short Live Stock and Seed Judging.

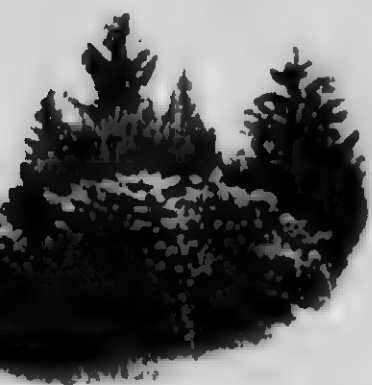


Pavilion.

The work of the College for the year is embodied in a prescribed course of study leading to a Diploma (see work outline) proceeds in Standing, a period of two years.

EXAMINATIONS

The examination for the third year is held by the College. The examinations on the first and second years are conducted by the University of Toronto.



Hydrangeas.



ing Short Course in
fishing.

The work of the first two years is embraced in the course prescribed for the Associate Diploma (see page 13), and the work outlined for graduates proceeds from the Associate Standing, and extends over a period of two years.

EXAMINATIONS.

The examinations on the Third Year work are conducted by the College. The examinations on the Fourth Year work are conducted by the University of Toronto.

Admission to Third Year Standing

An Associate of the College may proceed with the work of the Third Year.

(1) Provided he has taken rank in the Staff, 60 per cent. of the marks in the Third Year.

NOTE.—In addition to the above, the *Option* must present satisfactory evidence of work with a good farmer; those who have spent one season at practical work in a cheese factory (and butter) in a Dairy School must have spent at least one season as a grower, market-gardener, or florist.



A graduate or undergraduate having had the necessary training and presenting satisfactory certificates of work in the above subjects not covered by the work done previously may be admitted to any part of the work prescribed for the Third Year.



standing

the College is admitted to Third Year Standing and allowed to
k of the Third and Fourth years.--

has taken rank in his Associate Course satisfactory to the College
he marks in English and 50 per cent. in general proficiency.

ion to the above, candidates intending to take the *Agriculture*
atisfactory evidence of having spent a least two years at practical
rmer; those entering for the *Pony Option* must have spent one
ork in a cheese factory and one in a creamery or have spent



"A Comparison."

ese factory or creamery, and have taken the full course (cheese
Dairy School; and those entering for the *Horticulture Option*
at least one year at practical work with a good farmer, fruit-
ener, or florist.

undergraduate in Arts or Science of any reputable University,
essary training in farm work, may proceed to the degree, upon
ory certificates of standing and passing examinations on those
not covered by his certificates.

previously by such a candidate will be accepted *pro tanto* for
prescribed for the degree.





Nature Study, Excursion Day.

Nature Study

The work is largely taken up in the Field and consists of study of soils, plants, insects, etc. Lectures are occasionally given by instructors; and practical demonstrations in the breeding of insects, the functions of plants, or plant organs and other physiological subjects are frequently undertaken by the students under direct supervision of an instructor.

Excursions for the study of soils, rocks, minerals, and land forms; operation of dynamic agencies, such as rain, frost, rivers, winds, etc.

Weather observations, weather maps, and the climate of Canada.

Ecology of plants, including buds, fruit spurs, etc.; study of plant societies; identification of flowering plants, grasses, etc.; physiology of plants; collections.

Development of frog; stages of currant saw-fly, etc.; study of insects to plant life; of birds, toads, etc.; the garden and its products; hibernation of insects and insects; migration of birds.





Day.

l consists of a thorough
occasionally given by
the breeding of insects,
other physiological sub-
under direction of the



s, etc. ; study of trees
plants, grasses, weeds,

w-fly, etc. ; relation of
sects to plants ; value
birds, toads, etc., to
e garden and the farm ;
bernation forms of in-
ets and insect homes ;
igration of birds, etc.





M n

THE Massey Hall and the generosity of the donors presented by the late Massey presented to the brick building reared on a hill occupies the ground floor. The accommodation for about 1,000 people, Sunday chapel service is the library, consisting of magazine rooms. Accommodation. The reading room is most comfortable with electric lights. Both authors and fifteen thousand volumes of books is highly prized by the students.

It may be readily seen that the growing grain and raising of stock college, equipped for educational practical lines—stirring the mind to read and think for themselves more intelligent workers, and education and training which will help them in their efforts to improve the developing in them a love of the farm.



Massey Hall and Library

Massey Hall and Library is an abiding expression of the munificent generosity of the late Mr. Hart Massey. In 1901, his heirs, represented by the late W. H. Massey and Mr. Chester Massey, built and presented to the College this noble structure. It is a handsome red building reared on a foundation of Medina sandstone. The Massey Hall occupies the ground floor. This is semi-circular in shape and provides seating for about four hundred and fifty people. It is used for roll call, chapel service, literary society meetings, concerts, etc. Overhead the library, consisting of a reference library, a lending library, and two reading rooms. Accommodation is provided for eighty thousand volumes. The room is most adequately fitted up with tables and individual chairs.

Both author and subject card catalogues are in use, and over eighty thousand volumes are within easy access of the student. The library is used by the student body.

It is readily seen that at Guelph we have not merely a farm for raising live stock, however important that may be, but a school for educating young men on the farm—stirring them up to observe, to think for themselves, making them efficient workers, giving them information and training which will be of use to them in their efforts to make a living, and instilling in them a love for work and life.



On the River Speed



Visitors examining Experimental Plots

This department has fifty acres of land, devoted entirely to with farm crops, and students are required to spend much of field during the autumn term, examining the crops, and noting conducting experiments and the results.

Careful observations are made on the winter killing of fall s Winter Wheat, Winter Rye, and Winter Barley ; and the killing of Clover. Notes are taken on the appearance of grass sown in the fall and in the spring, with and without nurse crops of grasses, clovers, and cereal grains in the early stages of the students may be able to distinguish between classes and appearance of their early leaves, and some instruction is given laying out plots for experimental purposes.

The laboratory is supplied with specially constructed seed s graded screens, germinators, balances, apparatus for testing hard bushel of grains, etc.



The Professor of Field Husbandry talking with

Field Husbandry

entirely to experimental work
and much of their time in this
work, and noting the methods of

ing of fall sown crops, such as
and the heaving and winter
ence of grass and clover crops
nurse crops. A study is made
stages of their growth, so that
classes and varieties by the
action is given in methods of

ucted seed sorting tables, finely
testing hardness and weight per



Working with the Farmers



The winning
Bracken
Munro Mr. Arkell

Animal Husbandry

In this department considerable collections of books on the management of stock, the principles of the different breeds, The standard pedigrees, and matters pertaining to the same.

A fairly representative collection of books including Clydesdale horses ; Holstein, Ayrshire and Jersey cattle and Large Yorkshire, Tamworth,



Nixon.



The winning team at Chicago, 1905

Bracken Prof. Day Smith
Mr. Arkell White Craig

ndry

ent considerable time is spent in practical work in judging horses, vine. In addition to this, lectures are given on the feeding and k, the principles of breeding, and the history and characteristics eeds. The student is also given instruction on herd books and ers pertaining to the registration of stock in the various herd

entative collection of stock is maintained upon the College Farm, e horses; Shorthorn, Aberdeen, Angus, Hereford, Galloway, and Jersey cattle; Border Leicester, Shropshire, and Oxford sheep; e, Tamworth, and Berkshire swine.



And again in 1906
Barlow Hamer

Nixon. Hartman McKenney

THE accompanying cut is an illustration of the handsome Student Trophy, offered by the Union Live Stock Yards Association.

It is a beautiful statue of bronze, and is contested for by representing the different agricultural colleges of the United States and college judging contests held in connection with the International Live



"And is not this an honorable spoil?
A gallant prize?"

—SHAKESPEARE

The team doing the best competitive work in judging cattle, awarded the trophy, and the institution they represent is allowed it year or until the next contest. When the trophy has been won three college it becomes their permanent possession. For two successive representing the student body of our College has won this valuable prize exhibition at this institution.

ndsome Students' Judging Con-
ards Association of Chicago.
ontested for by student teams
ted States and Canada in inter-
national Live Stock Exposition.



spoil ?

ging cattle, sheep, and swine is
is allowed its possession for one
een won three times by any one
o successive years a team repre-
valuable prize, and it is now on



Sever
of ca
swine
of sh
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Short Courses in P

Any person—man, woman, or child—may attend at any time for practical work without charge, in one or more departments.

Persons coming under special arrangements may wish. Comfortable board and lodging extra, quite near the city and a quarter distant. The cost extra for each additional day of the laboratories or other laboratory tuition and contributions.



Seven distinct breeds of cattle, three of swine and three of sheep are maintained on the College Farm



A Good Type

Practical Work

Any man, woman, boy, or girl may come to the College at practical work, with more or less instruction from the man in charge of the department, say in poultry, horticulture, or dairying. Working under this head board out and remain as long as they desire. Board and lodgings can be got at \$3.00 to \$4.00 a week, quite near the College, or in Guelph, which is about a mile distant. The tuition fees are \$3 for one department, and \$2 for an additional department. When special students work in any of the departments or take regular lectures, they are charged the usual tuition and contingency fees.





Students taking Levels for Tile Drainage

and liquids, electroscopes, condensers, galvanometers, induction coil, telephone, telegraph, motors and dynamos. The soil physics outfit for the physical analysis of soils, together with apparatus for studying properties of the soil, such as specific gravity, specific heat, capillary percolation of water through different types of soil, aeration of soils,

Physics and Biology

THE work of the Department is included under general physics, surveying and levelling. general physics consists of elementary study of hydrostatics, electricity, such as pump, meter, equal pressure apparatus, illustrate capillarity and specific heat, latent heat,



Biology and Physics Building

THE building devoted to Biology and Physics was ready for use in 1902. It is a commodious, solid looking, red brick structure, with class rooms and laboratories well fitted up for instruction and research work in the biological and physical sciences. The ground floor is used as a museum. Here are to be found some excellent collections of interest to the botanist, the ornithologist, the geologist, the zoologist, the entomologist, and others.



and Biology

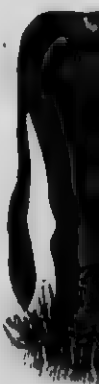
rk of the Department of Physics
luded under the following heads:
al physics, soil physics, meteor-
tology, mechanics, hydraulics,
d levelling. The equipment for
es consists of apparatus for the
study of hydrostatics, heat and
uch as pumps, bariscope, baro-
pressure apparatus, apparatus to
pillarity and surface tension,
latent heat, expansion of metals
induction coils, X ray outfit,
physics outfit consists of a plant
ratus for studying the physical
heat, capillary capacity, rate of
ation of soils, etc.



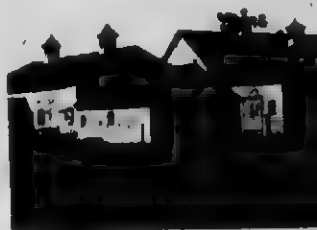
uilding



Thesis



Each student in his final year of the department of the work in his department or Instructor in whose department he is working, must submit a thesis not later than the end of the year, on or before April 1st. The thesis



and will be followed by an examination appointed for the purpose. It will be referred to the committee of adjudication.

Each student is required to submit a thesis on the principal insect and fruit of the year, which is to be handed in at the beginning of the year.

Butter





A Noted Prize Winner

In his final year is required to prepare a Thesis on some branch or work in his special course, under the direction of the Professor whose department the work is done. The subject is to be chosen at the end of the Third year, and submitted for the approval of the Staff at the beginning of the Fourth Year. The Thesis must be based chiefly on original investigation,



Dairy Buildings

followed by an oral examination before a committee of the Staff for the purpose. It must be typewritten on letter-sized paper, and handed in for adjudication on or before the 1st of April of the Fourth Year. The student is required to prepare a brief report for the Biological Department on insect and fungus pests of his particular neighborhood. This report is due at the beginning of the Fourth Year.



Girls from the Farm

Making

THESIS—
continued



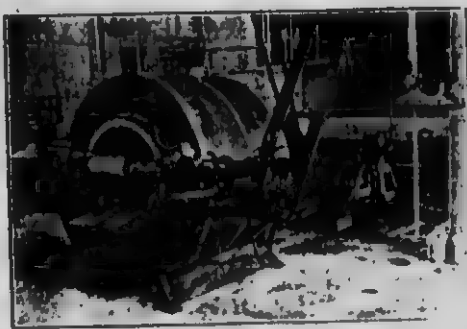
Boys from the Farm

Second Year Students

Must compose an acceptable thesis on some subject in study or connected therewith.

The subject or topic to be discussed in the thesis must be submitted to the President for approval not later than December in the Second Year.

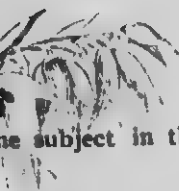
All theses must be written on foolscap paper and submitted to the President by the end of February.



Interior Butter Making Room Showing
Combined Churn and Worker



rm



the subject in the course of

the thesis must be selected
not later than the 1st of

paper and handed to the
ary.



oom Showing
Worker

60 acres
of the
College
Farm

Forestry

In this department instruction and establishment of woodland conception of the forestry products present conditions which for practical illustrations of work

Ab
plantations
the farm
value
plantations

In
co-operation
a college
product
will be
of forestry



Made up



are under
the
control of
this De-
partment

College Woodlot
Students Chopping

Department instruction is primarily intended to aid the farmer in the care of woodlands on the farm, besides giving the student an intelligent knowledge of forestry problems from a national standpoint. Three college woodlots which are typical of the Ontario woodlot, and lend themselves to demonstrations of work given in lecture rooms.

About twenty-five years ago several plantations were made in various parts of the farm, and show interesting results of value in the study of formation of plantations.

In connection with the Government co-operative plan of assisting tree-planters, a college nursery has been established to produce nursery stock, where the student will be able to obtain practical knowledge of forest nursery work.



Manual Train



"Porterhouse and Sirloin"

Examinations

Associate Examinations.—second year students
two regular examinations
—one in December of
Term, and one in April
Session from the 13th
ing classroom and
management, exper-
engine, and other
side departments.

NOTE.—Examinations are held at the conclusion of the lectures on each particular subject, and these are considered final.

Examinations for Degrees.—Examinations for the degree of B.S.A. are held annually, at the close of the Fourth Year, in the month of May. These examinations are conducted, and the degrees conferred, by the University of Toronto.

Supplemental Examinations.—Candidates for supplemental examinations must notify the President, in writing, at least one week before one of the dates fixed in the calendar, and pay in advance the sum of \$2.00 for each paper. Candidates examined at any other dates than those specified in the calendar will be charged \$3.00 per subject.



Judging Class

nations

Associate Examinations.—All first and second year students are required to pass regular examinations during each year. One in December on the work of the Fall semester and one in April on the work of the Spring semester. From the 13th September, including classroom and laboratory work, farm management, experiments, running of the farm and other operations in the out-buildings.

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Poultry

In the Poultry Department according to the most approved and everything else required



ment of poultry. The store representing 15 breeds, which and for practical instruction to day.



Stu



Poultry Plant

In the Poultry Department we have good buildings and yards, constructed on the most approved plans, and furnished with incubators, brooders, and all else required for convenience and efficient work in the manage-



ment. The stock in the buildings consists of 25 varieties of poultry, of 15 breeds, which are kept for breeding, for illustrating the lectures, and for the practical instruction of the students sent to the department from day



Students' Spraying Outfit

Mechanical

This is a new building and affords ample provision for increased and efficient instruction along various lines.

In it are located the workshops of the College carpenter, the blacksmith and the painter; the basement is utilized for storing farm implements. The rooms are large and well lighted. The machinery hall for machinery demonstration purposes and farm mechanics is 70 x 60 feet; the forge room is equipped with ten down draft forges, anvils and all necessary tools and appliances; the machine shop contains two screw cutting lathes, two wood turning lathes, power drill, power hacksaw, wet tool grinder, grindstone, etc.; the workroom is furnished with twenty benches and an adequate outfit of tools; the drawing room provides suitable accommodation for twenty students. The room set apart for art metal work, basketry, etc., has every convenience for the work.

The whole building is well arranged and fitted up with store-rooms, lockers, toilet rooms, offices, and is admirably adapted to the purposes for which it was designed.



Student Team of Fire Fighters



A Quiet Study Room



The Driveway



Fighters



IS a fine building
trimming
line, com
elegant
inside w

is ample to f
Economics, Nat
two for teacher
nomics for far
who desire to l
ventilation, gen
dressmaking, m



B



Macdonald Institute

Is a fine building of red pressed brick, with terra cotta trimmings, large and imposing in its general outline, commodious in its internal arrangement, and elegant as regards the quality and finish of the inside work. Its equipment and accommodation ample to furnish long and short courses in Home Economics, Nature Study, and Manual Training,—the last for teachers, male and female, and the Home Economics for farmers' daughters and other young women who desire to learn the theory and practice of cooking, ventilation, general housekeeping, laundry work, sewing, dressmaking, millinery, home decoration, etc.



Beauties of Canadian Winter

Home Economics

The Home Economics Department has two objects in view. The first is to give the vocation of home-making the same kind of help which the Ontario College brings to the business of farming; the other, to provide for the training of teachers of Home Science for our public schools.

Two Home-maker Courses are offered, one continuing three months and the other for one year. The one-year course, which may be broadened and deepened, is planned for the girls who are able to live in their own homes and to better fit themselves for the duties of the home maker. The home nature of the work, is thrown largely on her own resources, and she is required to deal intelligently with difficulties as they arise. The course, there-



The Governor-General visits Macdonald

the student, by means of many lessons and much individual practice, to lay a foundation in the different branches of ordinary household work, such as cooking, laundry, etc.; to introduce her to some of the housekeeper's administrative duties, and, above all, to awaken her interest in the wider questions of social conditions, dwellings, and real homes. The short course is an abbreviation of the one-year course, but is thorough as far as it goes.

The Normal Course is the outgrowth and continuation of the first. It is held in the Normal School of Domestic Science and Art, in Hamilton. In 1901 the school was closed, and its students and staff transferred to the more satisfactory quarters of the O.A.C. The course continues two years, the first being devoted to the study of the subject matter, and the second chiefly to the study of the methods of presenting the subject to public school classes.

in view. The one, to bring to which the Ontario Agricultural provide for the adequate training

ing three months, and the other adened and extended over two their own homes, and desire to The home maker, from the very rces, and should be capable of e course, therefore, aims to give



Macdonald Hall

individual practice work, a good, hold work, such as cookery, sewing, keeper's administrative problems; estions of sound bodies, wholesome abbreviation of the longer Home-

uation of the work of the Ontario lton. In 1903 the Hamilton School the more satisfactory surroundings first being devoted chiefly to study atudy of the problems and practice school classes.



Home Economics —Continued

THE class is forth as a field of ob the domestic the Guelph Centra study the prob power in the children; an other schools to train the cookery classes. The objec women who will intensify c

A Housekeeper Course study systematic methods keepers.

Optional courses are a in any regular course, or w render the regular courses possible.





In the Laundry

class is fortunate in having four classes from the Guelph public schools as a field of observation and practice, and also in being permitted to observe the domestic science teaching in the Macdonald Consolidated School and Guelph Central Public School. Every effort is made to train the students to study the problem; to use the subject as a means of developing intelligent children; and to teach good elementary domestic science. It is left to the students to train the special teachers necessary for demonstration and advanced courses. The object of the course will be achieved when its certificate stands for itself. The intensify our schoolgirls' interest in home and home affairs. A deeper Course is offered to a limited number of older women, who wish to study the methods of housekeeping, with a view to becoming professional house-

courses are also offered to students who cannot secure the desired training in a regular course, or who cannot take a full course. The elective subjects, however, are more elastic, and students are advised to enter regular courses if



A Cooking Demonstration



Practice Cooking

Short Course in Domestic Science

The Short Course in Domestic Science is planned for those more than one term at the Institute. It does not aim to cover long courses, and provides training chiefly in practical work, but is it goes.

Three Short Courses are given each year, one each term :

Autumn Course :	Winter Course :	Spring Course :
September 19 to December 21.	January 4 to March 28.	April 1 to June 1.

Candidates for this course must be at least 17 years of age, and have elementary education.

No examinations are held in connection with this course, and no diploma is awarded.

Tuition fee . . . \$10.00 per term. Laboratory fee . . . \$5.00

The net cost for board, washing and fees may be estimated at \$35.00 per term of three months. Students should arrive with at least \$35.00.



Class in Millinery Work



for those who cannot spend
 him to cover the ground of the
 work, but is thorough as far as

term ;

Spring Course :
 April 5 to June 21.

ers of age, and have had a good

course, and no certificates are

... \$5.00 per term.

estimated at about \$60.00 per
 east \$35.00.



rk



Macdonald Institute

Is a fine, large building with many trimmings, and is now ready to be occupied. It was erected in 1904 as a gift of Sir Wm. C. Macdonald to the Institute. It contains all that is necessary for the work of the Institute in type, commodiousness, and in appointments, together with a large hall and parlor.

The Superintendent will direct the work of the Institute as a real home.





Ladies' Residence

Macdonald Hall

is a fine, large and imposing brick building, with stone
 carvings, and is of the Elizabethan style of architecture. It
 erected in 1904, at a cost of \$100,000, and is the generous
 gift of Sir Wm. C. Macdonald, of Montreal, as is also Macdonald
 Hall. It comprises everything that experience could suggest
 necessary for the purpose of a residence for girls; is modern
 in type, commodious, substantial in appearance, and complete
 in appointments. The building has apartments for 110 boarders,
 together with a large gymnasium, dining-room, reception room,
 and parlor.

The Superintendent will control the students in residence,
 direct the social life, and will do her utmost to make the Hall
 a home.



Reception Rooms

Assignment of Rooms

Students who wish to live in the Hall should write to Mrs. Fuller, and make arrangements for room as soon as their application for entrance to the Institute has been accepted. Every endeavor will be made to meet the wishes of students regarding the assignment of rooms, but no rooms will be reserved after the opening day. Students who wish to arrive in Guelph previous to the opening day should make arrangements to board and lodge in the City until the morning of the opening day, when the Hall will be open to receive them.



Rotunda

For the benefit of students wishing to provide covers, the following measurements are given:

Washstand top,
33 ins. long, 17 in. wide

Bureau top,
40 ins. long, 20 ins. wide

Table top,
28 ins. long, 21 ins. wide



Cosy

Room Furniture

Each bedroom is furnished with bed, table, mattress, blanket for each student, washstand, two chairs, bedroom china.

Each student is expected to provide own napkin ring, medicine, toilet soap, towels, pillow, sheets and laundry bag. at least—

Four ordinary towels

Two bath towels

Four sheets, about 40 x 90 in.

Each room is provided with moulding. Students are not to use nails or drive tacks or nails into floor.





Cosy Corners

Furniture

room is furnished with a closet, mattress, blankets, and counter-top student, and with a bureau, two chairs, and the necessary linen.

Student is expected to provide her own ring, medicine spoon or glass, towels, pillows, pillow-covers, laundry bag. Each should bring

laundry towels	One pillow
pillow covers	Two pillow covers
about 40 x 90 in.	Two laundry bags

Room is provided with picture. Students are permitted to bring pictures, etc., but are not allowed to hammer nails into walls, woodwork or





Teachers in

Application

Candidates for entrance application, and information, considered and the sender forms may be had from the S

Applications for admission at a time. They may be re vacancies.

Five Rural
School
Sections
have
united



Admission

Terms of admission vary courses only in September, a Students are given credit for as such work conforms to the Provinces and Territories of t



At the Rural Conso



Teachers in Training Making School Gardens.

For entrance to any of the courses must fill out the blank form of information, and return it to the Institute. Each application will be the sender informed with regard to its acceptance Extra blank d from the Secretary.

For admissions to Optional Courses will be accepted for only one term y may be renewed for succeeding terms if the regular students leave



to form a
Graded
School in
the
Country.

Admission vary with the courses. Students are admitted to the long September, and to the short courses only at the beginning of a term. en credit for work satisfactorily completed in other institutions, so far conforms to the regulations of the Institute. Students from all the territories of the Dominion are admitted upon equal terms.



Rural Consolidated School Each Child has a Garden.



"Buds"

Registration

Students are required to present themselves for registration on the first day of the School year or term, as the case may be. Registration at a later date is only to those who obtain the consent of the Director, good cause being shown. Students registering later than the opening day are required to pay a fee of \$1.00.

Places will not be reserved in Optional classes for any student after the first day.

Registration of Home Economics students is not complete until the programme of studies and health certificates are filed with the Director.



"Flowers"



Registration on the opening day of
session at a later date is permitted
on good cause for the delay being
shown. Students are required to pay an additional

fee for any student after registration day.
Registration is not complete until the student's pro-
fessor has approved the Director, and all fees paid.



Manual Training Department

This has four distinctive

1—A course for Agriculture and Farm Mechanics.

2—A Normal Course

3—Correlated Course

4—Optional Courses
etc.



A

THE instruction though all exercises are on objects, but to work in the pastive experience. These have rendered education manipulation. In this as such, but also the ide application of a plan cle plan, and the reason for in hand during its const means to meet new requ evolved make Manual T studies as a means of in

Training ent

or distinctive courses:—

Course for Agricultural Students in Wood-working, Metal-working, Mechanics.

Normal Course for the training of Instructors in Manual Training.

Related Course of Manual Training with Nature Study.

Special Courses in Woodworking, Wood-carving, Art Metal, Basketry.



A Glimpse of Guelph City

instruction does not aim at the production of finished articles, though all exercises are embodied, as far as possible, in complete objects, but to inculcate principles emphasizing the reason for doing work in the particular way which is the result of practical construction. These principles involve exercises having values only as they rendered educational service in the process of construction, or in their application. In this way the student not only acquires conception of skill but also the idea that correct results are only attained by the skillful execution of a plan clearly thought out. The endeavour is to find the best reason for its preference. In changing conditions of the thing requiring its construction, there is a constant necessity for creating new methods to meet new requirements, and directive skill and logical processes thus make Manual Training rise to the level of scientific or mathematical as a means of intellectual development.

Nature Study Department

This Department will aim specially to prepare teachers to take up Nature Study with their pupils, in connection with a School Garden, and to deal with the simpler aspects of general Nature Study.

Summer Courses

A Summer Course will be provided. It will be of about a month's duration, and will commence early in July. The work will consist of practical Nature Study, suitable for our public school teachers, and co-related always with work in Art and Manual Training.

One Year Normal Course

A more advanced Course, of a similar nature, and extending over a full College year, is given to teachers who wish to qualify as specialists in this department. The aim is to provide instructors fitted to carry on the work of Nature Study and School Gardens in a group of Rural Schools, in a large Consolidated School, or in an Agricultural High School.

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a School
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